

WHAT IS CLAIMED IS:

1. An electrical circuit selector assembly, comprising:

an electrical housing having at least one opening therein, said electrical housing having a first side and a second side;

at least one electrical conductor associated with said at least one opening on said first
5 side; and

at least one circuit selector positioned proximate to said at least one opening on said second side, said at least one circuit selector having a protrusion oriented to extend through said at least one opening and electrically contact at least one said electrical conductor.

2. The assembly of claim 1, further comprising a support structure to which an end of said circuit selector is secured, said end being generally opposite an other end of said circuit selector, said other end associated with said protrusion.

3. The assembly of claim 1, wherein said circuit selector includes:

a first end and a second end, said protrusion associated with said first end; and

an actuator contact portion associated with said first end.

4. The assembly of claim 3, wherein said circuit selector further includes a flexibly resilient portion that bends when force is applied to said actuator contact portion, said flexibly resilient portion being between said first end and said second end.

5. The assembly of claim 4, further comprising a support structure to which said second end is attached.

6. The assembly of claim 5, wherein said circuit selector further includes an indexing protrusion coacting with said support structure to orient said circuit selector relative to said at least one opening.

7. The assembly of claim 3, wherein said actuator contact portion is one of curved and angled.

8. The assembly of claim 3, further comprising an actuator contacting said actuator contact portion to move said protrusion through said opening such that said protrusion contacts at least one said electrical conductor.

9. The assembly of claim 8, wherein said actuator is nonconductive.

10. The assembly of claim 8, wherein said actuator is removably contacting said actuator contact portion.

11. An electrical circuit selector for contacting an electrical conductor through an opening in a nonconductive housing, the electrical circuit selector comprising:

a protrusion oriented to extend through the opening and electrically contact the electrical conductor.

12. The selector of claim 11, further comprising:

a first end and a second end, said protrusion associated with said first end; and
an actuator contact portion associated with said first end.

13. The selector of claim 12, further comprising a flexibly resilient portion that bends when force is applied to said actuator contact portion, said flexibly resilient portion between said first end and said second end.

14. The selector of claim 13, further comprising an indexing protrusion associated with said second end, said indexing protrusion configured to orient said circuit selector relative to the opening.

15. The selector of claim 12, wherein said actuator contact portion is one of curved and angled.

16. A method of selecting an electrical circuit, comprising the steps of:

contacting an electrical conductor through an opening in a nonconductive housing with a portion of an electrical circuit selector, said portion including a protrusion oriented to enter said opening and electrically contact said electrical conductor.

17. The method of claim 16, wherein said electrical circuit selector includes a first end and a second end, said protrusion being associated with said first end and an actuator contact portion being associated with said first end.

18. The method of claim 17, further comprising the step of applying a force to said actuator contact portion thereby flexing a flexibly resilient portion of said electrical circuit selector, said flexibly resilient portion being between said first end and said second end.

19. A circuit selector assembly, comprising:

an electrical conductor;

an electrical contact;

a first spring beam connected to said electrical contact; and

5 a second spring beam connected to said electrical contact, said second spring beam biasing said electrical contact to a first position, said first spring beam being deflected when said electrical contact is in a second position, said second position being defined as when said electrical contact is contacting said electrical conductor.

20. A method of selecting a circuit, comprising:

applying force to a first spring beam of a circuit selector;

deflecting a second spring beam of said circuit selector as a result of said applying step;

contacting an electrical element with a portion of said circuit selector; and

5 deflecting said first spring beam thereby placing a predetermined force on said electrical element.